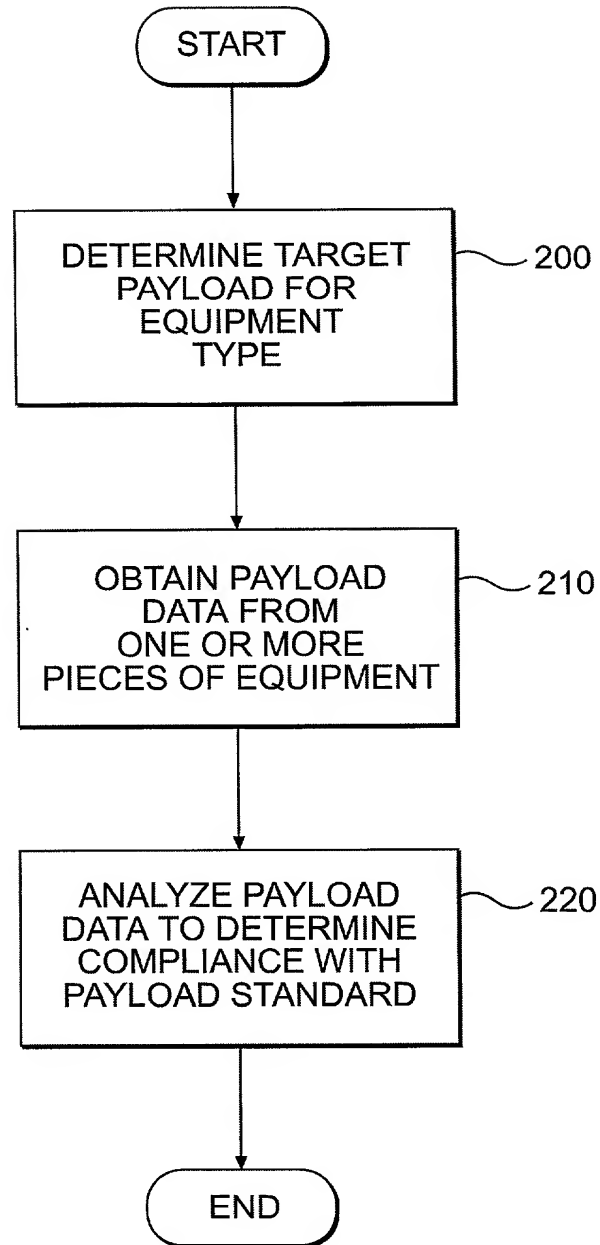
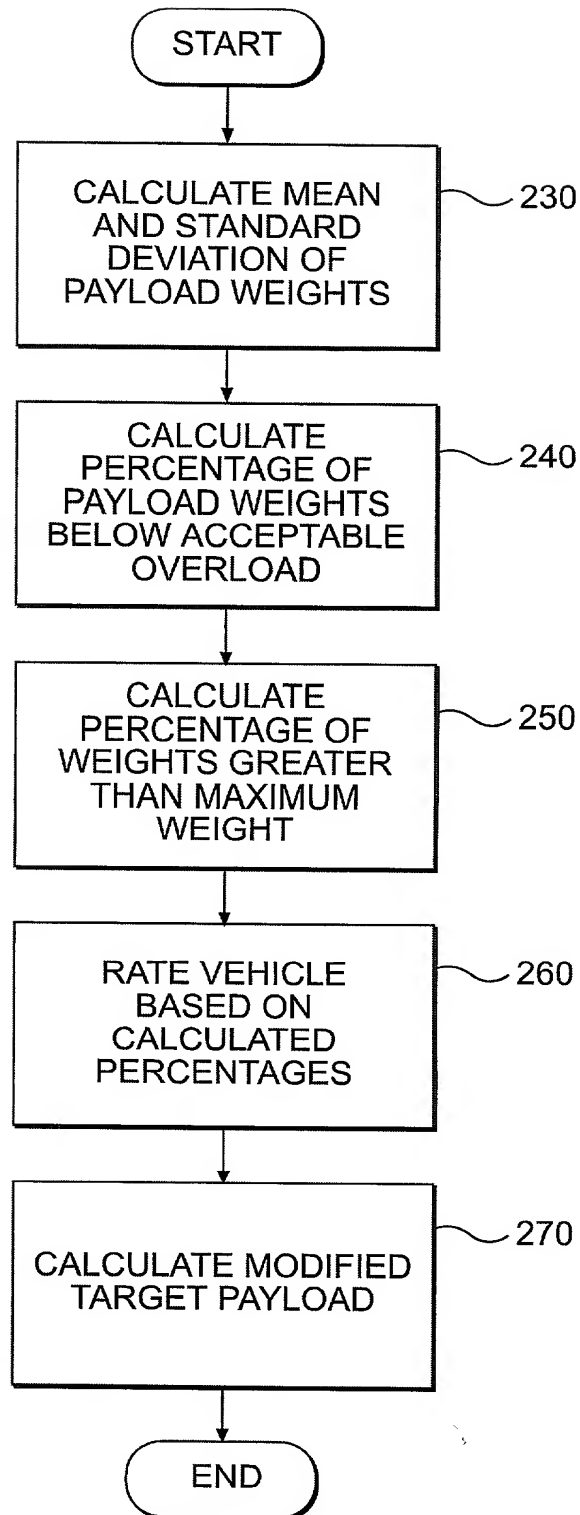
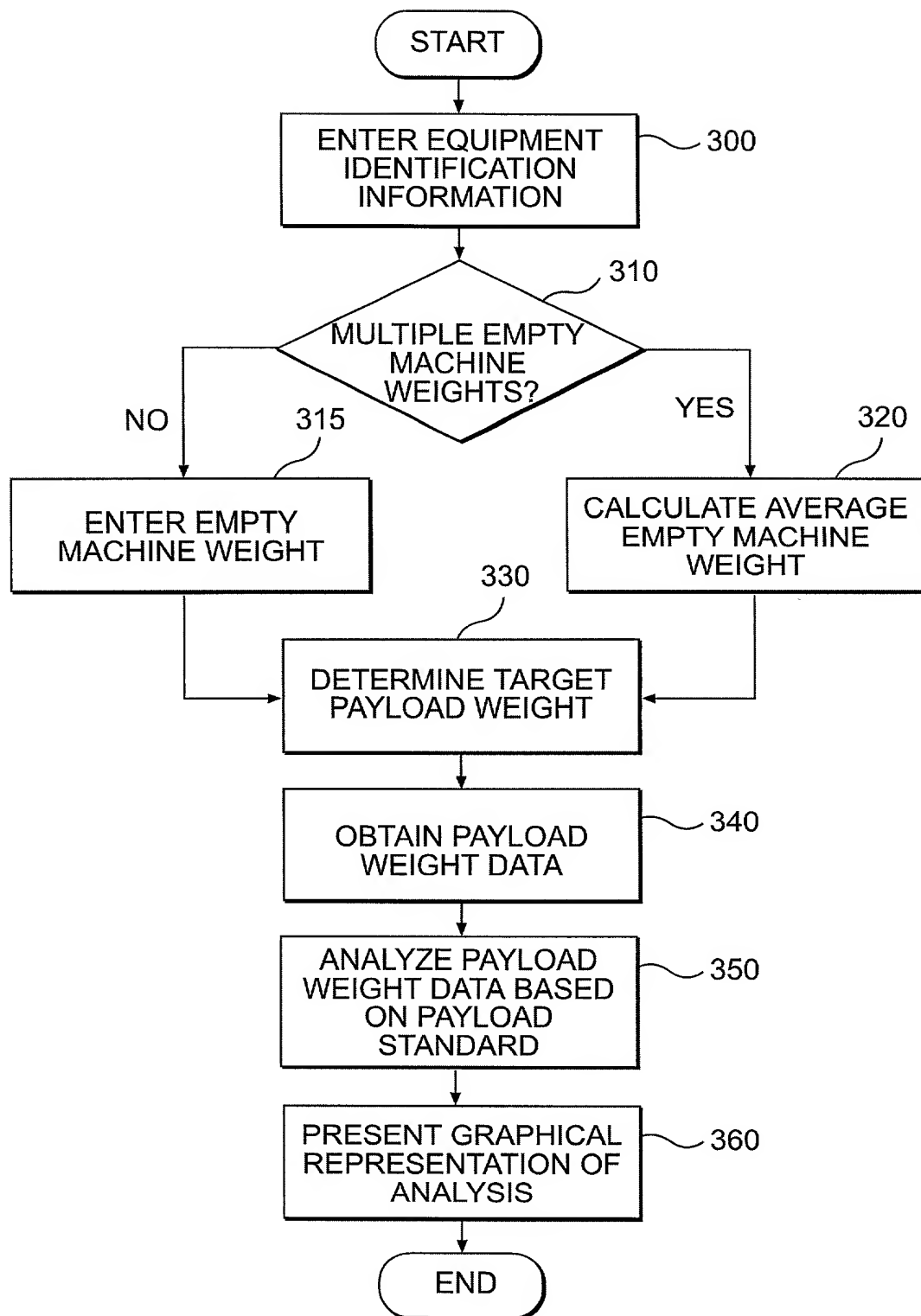


FIG. 1

**FIG. 2A**

**FIG. 2B**

**FIG. 3**

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PAYLOAD MANAGEMENT ANALYZER	
BACKGROUND INFORMATION (* INDICATES UNITS REQUIRED)	
MINE/PROJECT:	<input type="text"/>
LOCATION:	<input type="text"/>
TEST DATE (S):	<input type="text"/>
DATA RECORDED BY:	<input type="text"/>
ANALYSIS DATE:	<input type="text"/>
ANALYSIS PERFORMED BY:	<input type="text"/>
TRUCK FLEET:	<input type="text"/>
	(LIST MODEL & SERIAL NUMBER RANGE)
BODY DESIGN:	<input type="checkbox"/> STANDARD <input type="checkbox"/> LIGHT WEIGHT <input type="checkbox"/> ULTRA-LIGHT WEIGHT <input type="checkbox"/> OTHER (EXPLAIN BELOW)
COMMENTS:>>>	<input type="text"/>
*BODY CAPACITY:	<input type="text"/>
BODY CONFIGURATION:	
SIDEBOARDS:	<input type="checkbox"/> YES (IF "YES", HEIGHT >>> <input type="text"/>
DUCKTAILS:	<input type="checkbox"/> YES
LINERS:	<input type="checkbox"/> YES (IF "YES", EXPLAIN >>> <input type="text"/>
END GATE:	<input type="checkbox"/> YES
BODY HEAT:	<input type="checkbox"/> YES
(DETAIL LINER PACKAGE; CANOPY, FRONT WALL, SIDE WALLS, FLOOR, TRANSITION AREA, TUMBLE BARS)	
MACHINE CONFIGURATION:	
HIGH CAPACITY FUEL TANK:	<input type="checkbox"/> YES; CAPACITY <input type="text"/>
EXTENDED FRONT BUMPER:	<input type="checkbox"/> YES; WEIGHT <input type="text"/>
TIRES: (LIST SUPPLIER & SPECS)>>>>>>	<input type="text"/>
PAYLOAD DISPLAY "SCOREBOARD":	<input type="checkbox"/> YES
OTHER SIGNIFICANT "ADD ONS":>>>>>>	<input type="text"/>
EMPTY MACHINE WEIGHT DETERMINED BY:	<input type="checkbox"/> ESTIMATED e.g. PERFORMANCE HANDBOOK <input type="checkbox"/> SPEC SHEET DATA <input type="checkbox"/> SCALE WEIGHTS
*VIMS/TPMS TARGET PAYLOAD:	<input type="text"/>
PAYLOAD DATA OBTAINED FROM:	<input type="checkbox"/> TPMS <input type="checkbox"/> VIMS TPMS <input type="checkbox"/> SCALE WEIGHTS
LOADING TOOL(S):	<input type="text"/>
*BUCKET CAPACITY/PASS MATCH:	<input type="text"/>

FIG. 4

PAYLOAD MANAGEMENT ANALYZER	
DETERMINE EMPTY MACHINE WEIGHT	
EMPTY MACHINE WEIGHTS HERE>>> (ENTER DATA IN US OR METRIC TONS; BE CONSISTENT!) (CAPACITY: MINIMUM 2 AND UP TO 100 SAMPLES)	
<div>CALCULATE EMW</div>	
<div>US TONS</div>	
<div>METRIC TONS</div>	
<div>RESET PAYLOAD</div>	
	<div>15.20 15.60 15.45 16.02 15.90 15.87 15.40</div>
	<div>STATISTICAL RESULTS NUMBER OF SAMPLES = 7 MINIMUM VALUE = 15.20 MAXIMUM VALUE = 16.02 MEDIAN VALUE = 15.60 MEAN = 15.63 STANDARD DEVIATION = 0.281214567 95% CONFIDENCE LIMIT = 0.208322253</div>

NOTE: IF EMPTY WEIGHT IS ESTIMATED, SIMPLY ENTER
ESTIMATED EMW IN SPACE HIGHLIGHTED BESIDE
"MEAN" IN THE STATISTICAL RESULTS AREA OF THIS
SHEET.

FIG. 5

PAYLOAD MANAGEMENT ANALYZER

DETERMINE TARGET PAYLOAD WEIGHT

TRUCK MODEL NUMBER?

US OR METRIC UNITS?

769 US

773 US

777 US

785 US

789 US

793 US

793 + US

797 US

769 METRIC

773 METRIC

777 METRIC

785 METRIC

789 METRIC

793 METRIC

793 + METRIC

797 METRIC

MAXIMUM GROSS MACHINE WEIGHT =

EMPTY MACHINE WEIGHT =

TARGET PAYLOAD WEIGHT =

177.50

15.63

161.87

0.00

CALCULATE TARGET PAYLOAD

RESET TARGET PAYLOAD

FIG. 6

PAYLOAD MANAGEMENT ANALYZER	
ANALYZE PAYLOAD WEIGHT DATA	
PAYLOAD WEIGHT DATA HERE>>> (ENTER DATA IN US OR METRIC TONS; BE CONSISTENT!) (CAPACITY: MINIMUM 2 AND UP TO 20,000 SAMPLES)	176.50 186.60 169.90 172.30 168.50 183.50 169.50 179.40 182.20 169.80 159.80 179.56 190.30 189.70 177.60 173.20 161.50
<div>CALCULATE PAYLOAD</div>	<div>STATISTICAL RESULTS</div> <div>NUMBER OF SAMPLES = 17</div> <div>MINIMUM VALUE = 159.80</div> <div>MAXIMUM VALUE = 190.30</div> <div>MEDIAN VALUE = 176.50</div> <div>MEAN = 175.87</div> <div>STANDARD DEVIATION = 8.725804233</div> <div>95% CONFIDENCE LIMIT = 4.14790167</div>
<div>RESET PAYLOAD</div>	

FIG. 7

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PAYLOAD MANAGEMENT ANALYZER		
APPLY "10-10-20" PAYLOAD RATING CRITERIA		
	US TONS	METRIC TONS
TARGET PAYLOAD WEIGHT =	161.87	
110% TARGET PAYLOAD WEIGHT =	178.06	
MAXIMUM PAYLOAD WEIGHT =	194.24	
MEAN =	175.87	
STANDARD DEVIATION =	8.725804233	
< TARGET PAYLOAD =	5.43%	
> TARGET PAYLOAD =	94.57%	
< 110% TARGET PAYLOAD =	59.88%	
> TARGET PAYLOAD < 110% TARGET PAYLOAD =	54.45%	
< MAXIMUM PAYLOAD =	98.24%	
> 110% TARGET PAYLOAD < MAXIMUM PAYLOAD =	38.36%	
> MAXIMUM PAYLOAD =	1.76%	
PAYLOAD RATING =	10	(% OF PAYLOADS LESS THAN 110% TARGET)
PAYLOAD RATING =	5	(% OF PAYLOADS GREATER MAXIMUM)
RATING 1: <input checked="" type="checkbox"/> 100% OF LOADS LESS THAN 110% OF TARGET PAYLOAD/NO LOADS GREATER THAN MAXIMUM. RATING 2: <input checked="" type="checkbox"/> 95% OF LOADS LESS THAN 110% OF TARGET/0.1% OF LOADS GREATER THAN MAXIMUM. RATING 3: <input checked="" type="checkbox"/> 90% OF LOADS LESS THAN 110% OF TARGET/0.5% OF LOADS GREATER THAN MAXIMUM. RATING 4: <input checked="" type="checkbox"/> 85% OF LOADS LESS THAN 110% OF TARGET/1% OF LOADS GREATER THAN MAXIMUM. RATING 5: <input checked="" type="checkbox"/> 80% OF LOADS LESS THAN 110% OF TARGET/2% OF LOADS GREATER THAN MAXIMUM. RATING 6: <input checked="" type="checkbox"/> 75% OF LOADS LESS THAN 110% OF TARGET/5% OF LOADS GREATER THAN MAXIMUM. RATING 7: <input checked="" type="checkbox"/> 70% OF LOADS LESS THAN 110% OF TARGET/10% OF LOADS GREATER THAN MAXIMUM. RATING 8: <input checked="" type="checkbox"/> 65% OF LOADS LESS THAN 110% OF TARGET/15% OF LOADS GREATER THAN MAXIMUM. RATING 9: <input checked="" type="checkbox"/> 60% OF LOADS LESS THAN 110% OF TARGET/20% OF LOADS GREATER THAN MAXIMUM. RATING 10: <input checked="" type="checkbox"/> 55% OF LOADS LESS THAN 110% OF TARGET/25% OF LOADS GREATER THAN MAXIMUM.		

FIG. 8

PAYLOAD MANAGEMENT ANALYZER					
CALCULATE TPMS TARGET PAYLOAD WEIGHT					
TPMS TARGET PAYLOAD WEIGHT =	<table><thead><tr><th><u>US TONS</u></th><th><u>METRIC TONS</u></th></tr></thead><tbody><tr><td>168.07</td><td></td></tr></tbody></table>	<u>US TONS</u>	<u>METRIC TONS</u>	168.07	
<u>US TONS</u>	<u>METRIC TONS</u>				
168.07					
USE THE VALUE ABOVE AS THE TARGET PAYLOAD FOR TPMS.					

FIG. 9

PAYLOAD MANAGEMENT ANALYZER

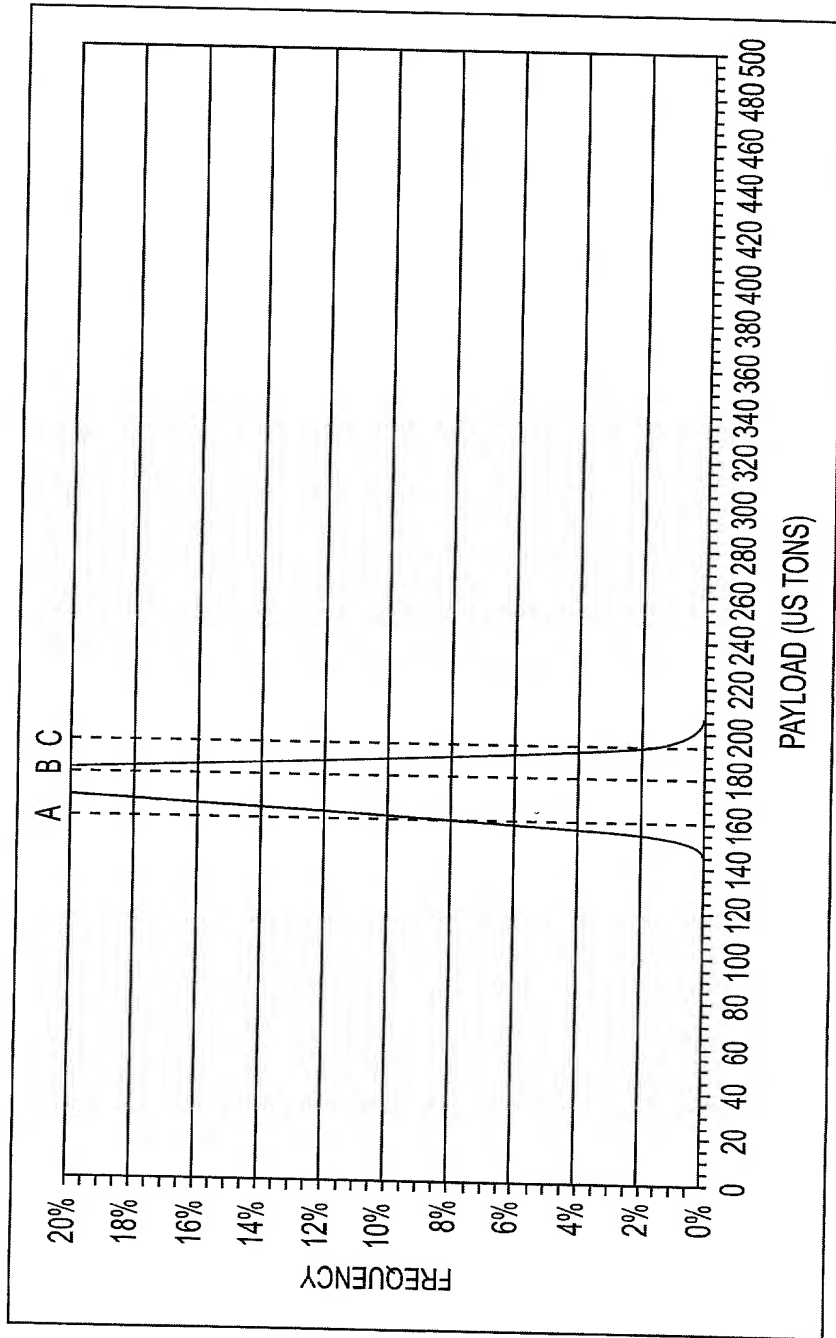


FIG. 10